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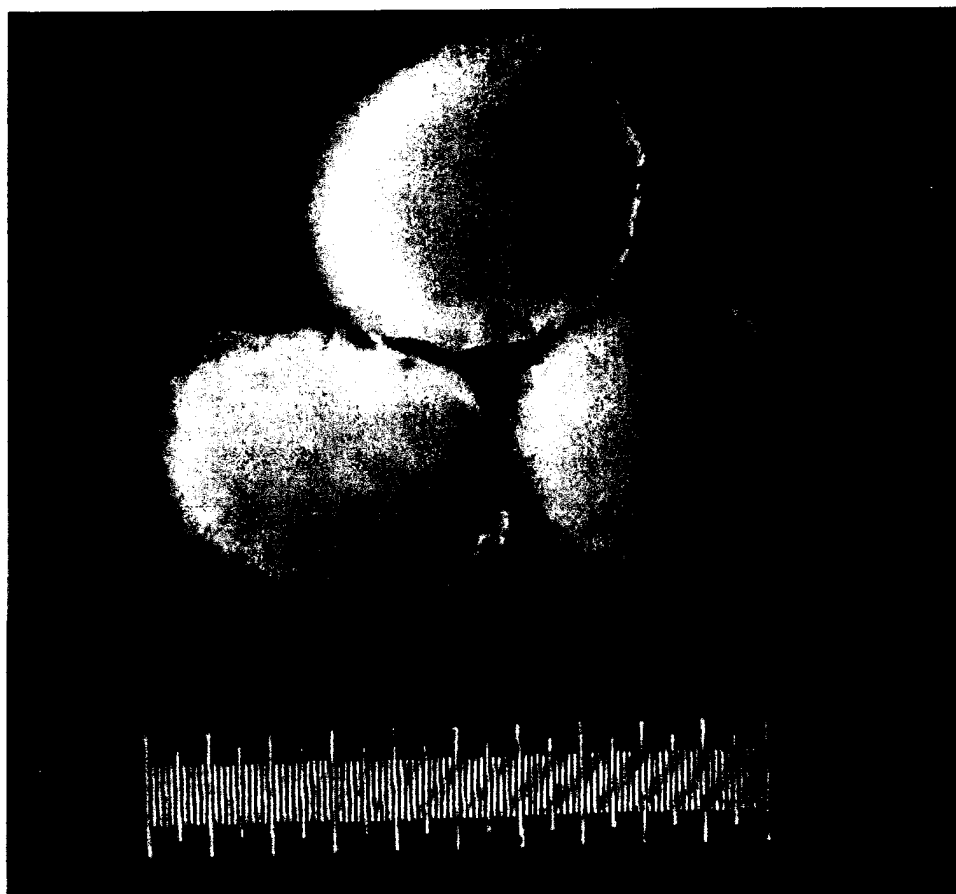


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## FIGURE 1

Photomicrograph of Sugar Spheres (Non-Pareils)  
30/35 mesh sieve cut



150X Magnification  
Scale

Each small division = 10 micron  
Each large division = 100 micron

**FIGURE 2**  
**Photomicrograph of Celphere CP-507**



**150 Magnification**  
**Scale**  
**Each small division= 10 micron**  
**Each large division=100 micron**

**FIGURE 3A**

Photomicrograph of Avicel PH 200



150X Magnification

Scale

Each small division = 10 micron

Each large division = 100 micron

**FIGURE 3B**

Photomicrograph of Avicel PH 200  
(Courtesy of FMC Corp.)



200X Magnification

Scale:

Each large division = 100 micron

**FIGURE 4A**

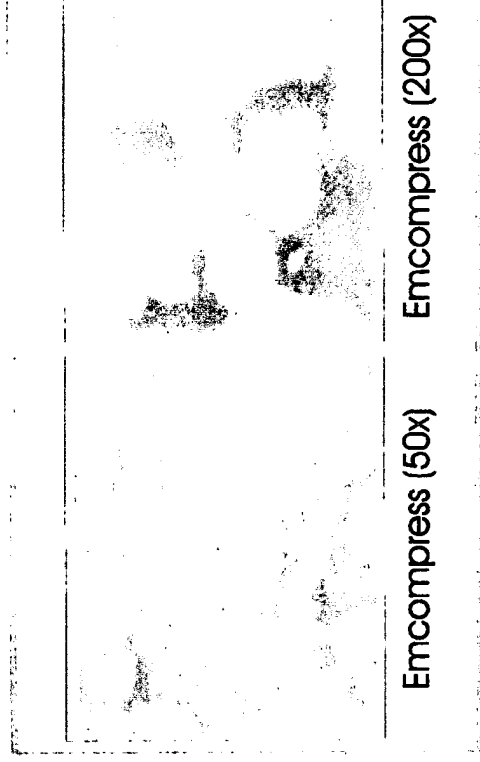
Photomicrograph of Emcompress



150X Magnification  
Scale  
Each small division = 10 micron  
Each large division = 100 micron

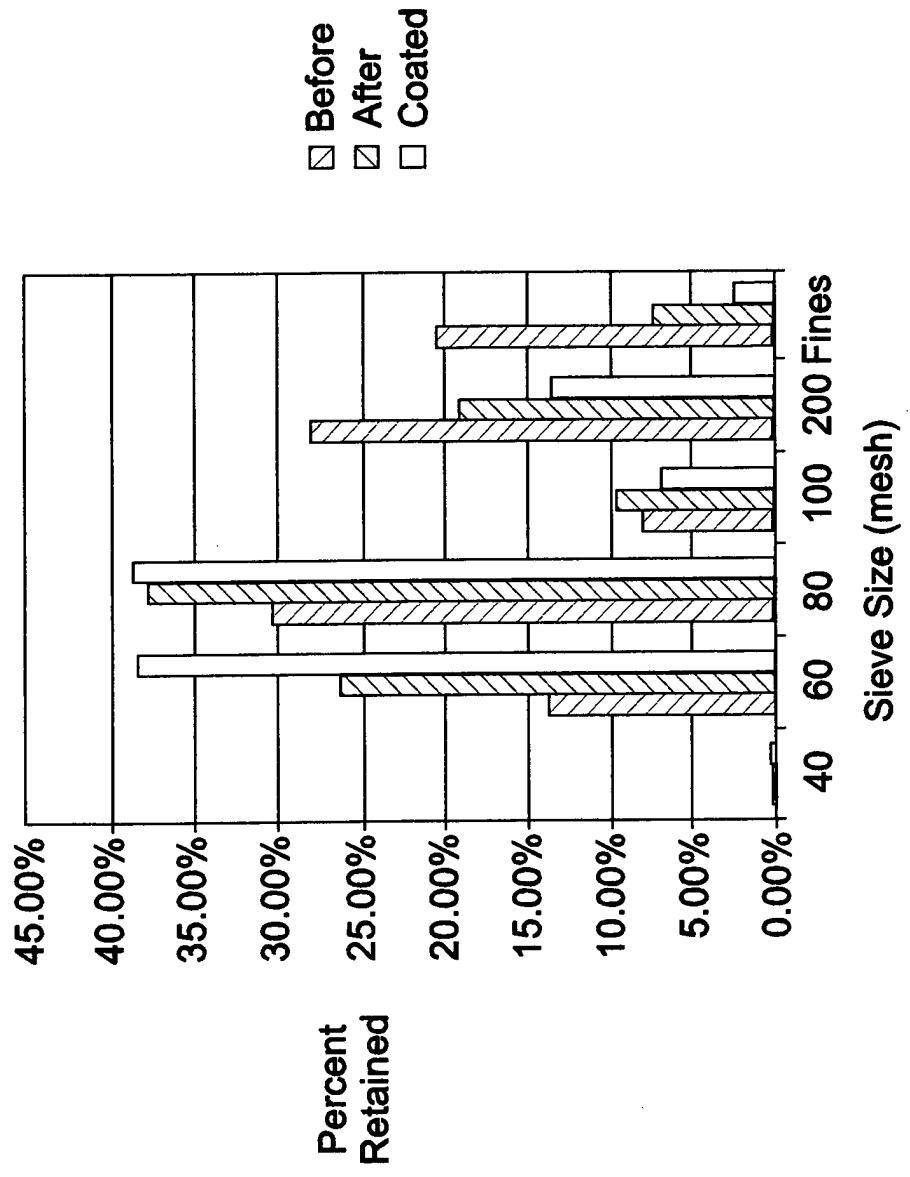
**FIGURE 4B**

Photomicrograph of Emcompress  
(Courtesy of Edward Mendell/Penwest)



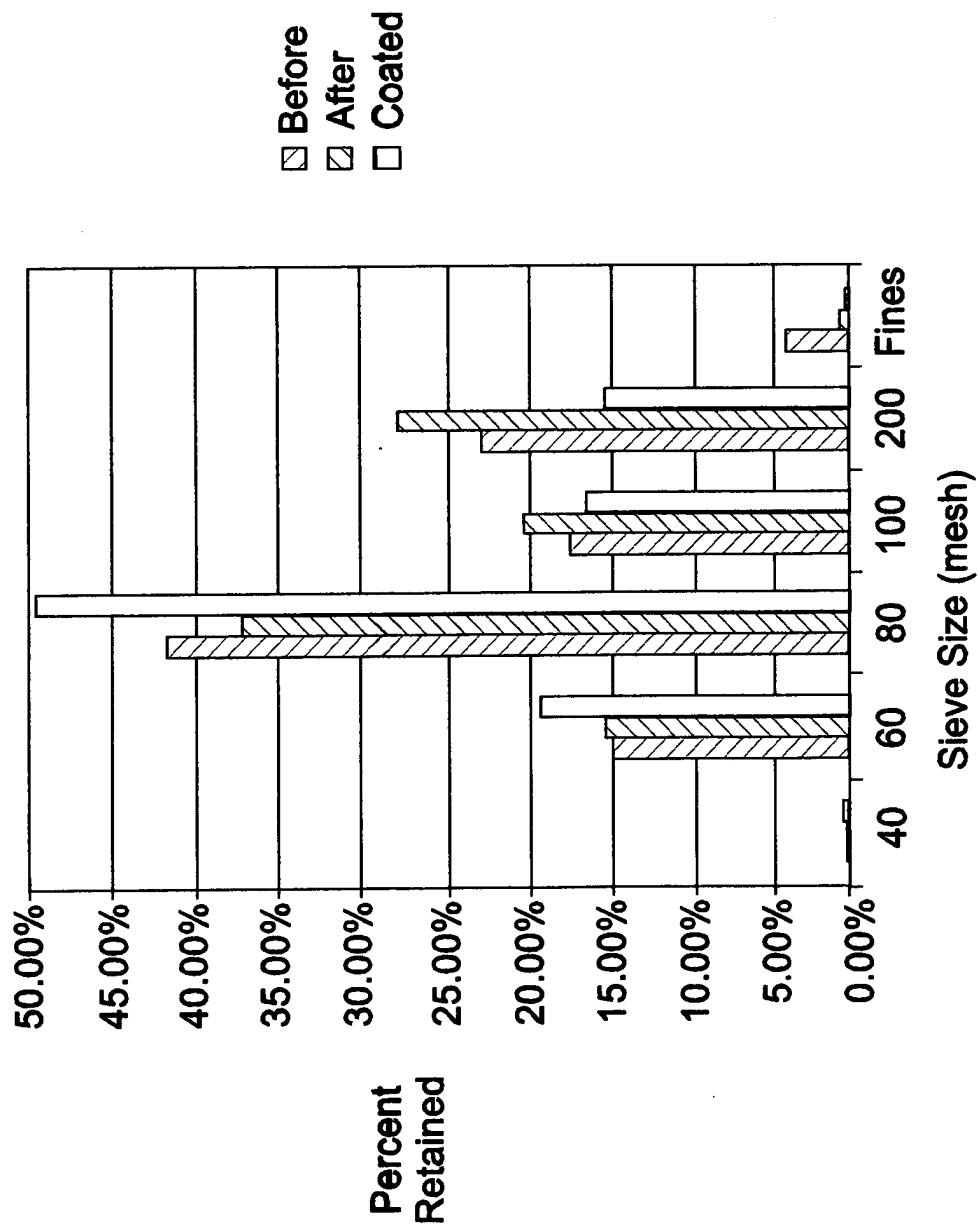
# FIG. 5

Particle Size (Sonic Sieve Analysis) of Avicel PH200 Before Fluidization,  
After Fluidization and After First Coating Application



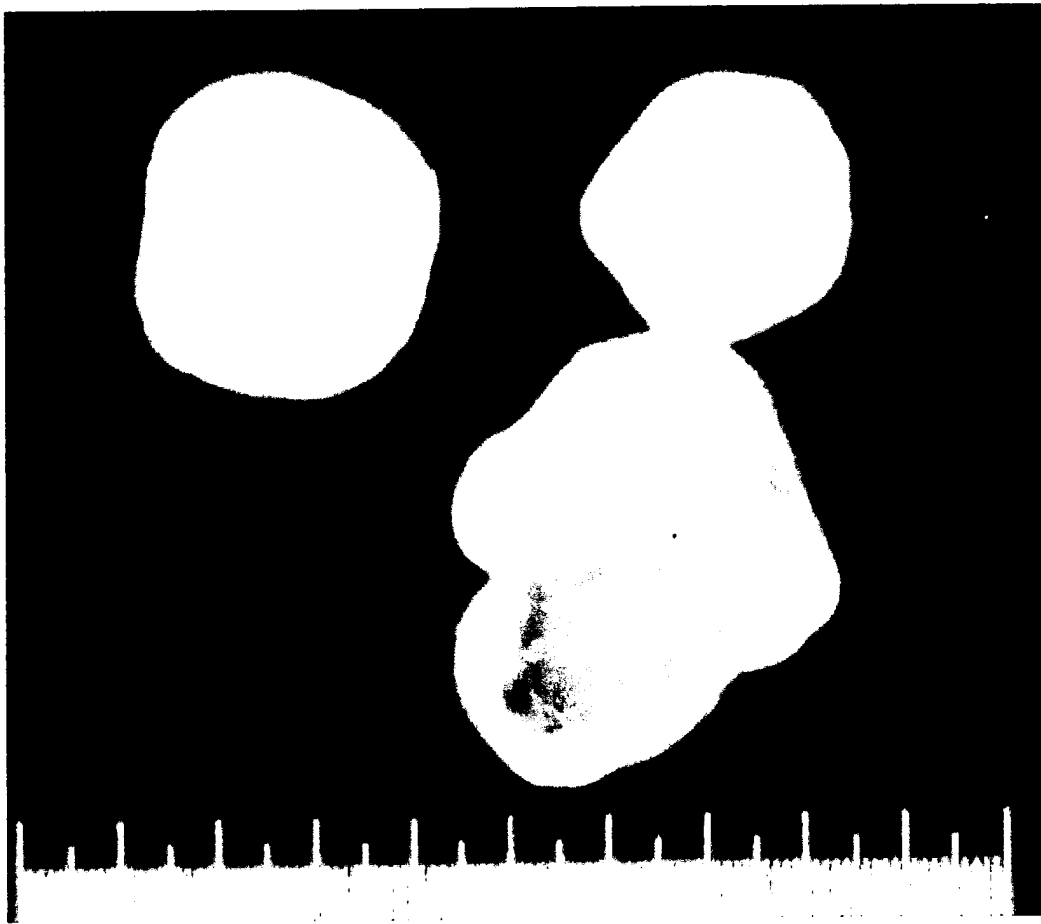
# FIG. 6

Particle Size (Sonic Sieve Analysis) of Emcompress Before Fluidization,  
After Fluidization and After First Coating Application



## FIGURE 7

Formulation 1 - Instant Release  
(Emcompress+ PE Coat+ API/Opadry II Coat)  
Batch Number 02/147-030

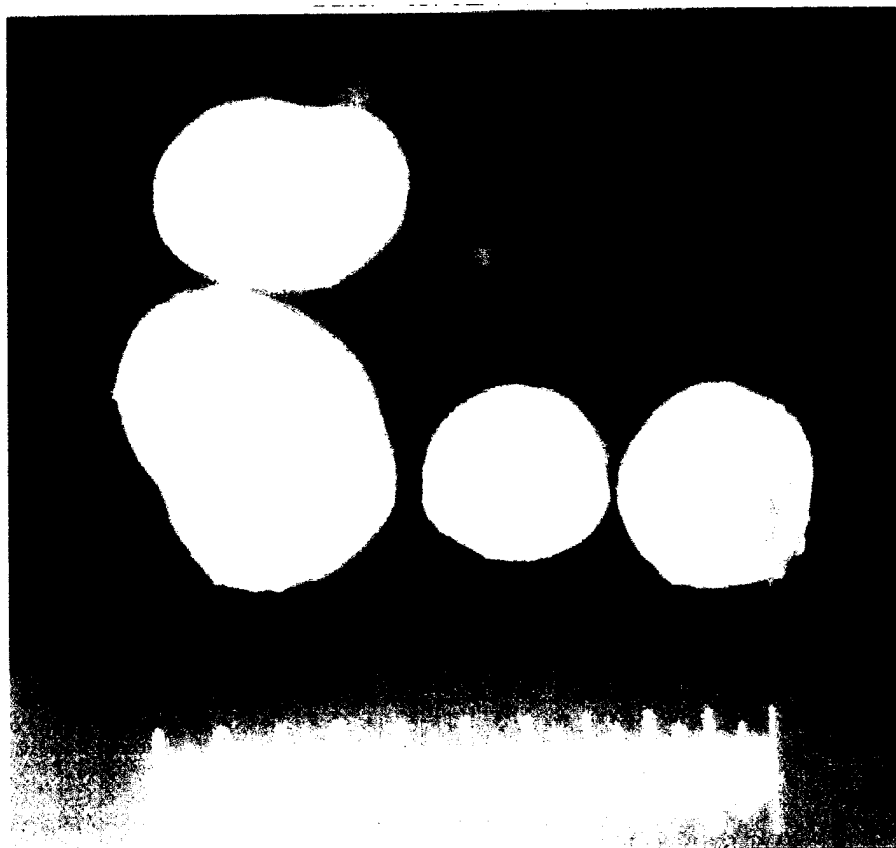


150X Magnification  
Scale:  
Each small division= 10 micron  
Each large division=100 micron



## FIG. 8

Formulation 2 - Enteric Coated  
(Emcompress+ PE Coat+ API/Opadry II  
Coat + Eudragit L30-D55 and RS30D Coat)  
Batch Number 02/147-045



150 Magnification

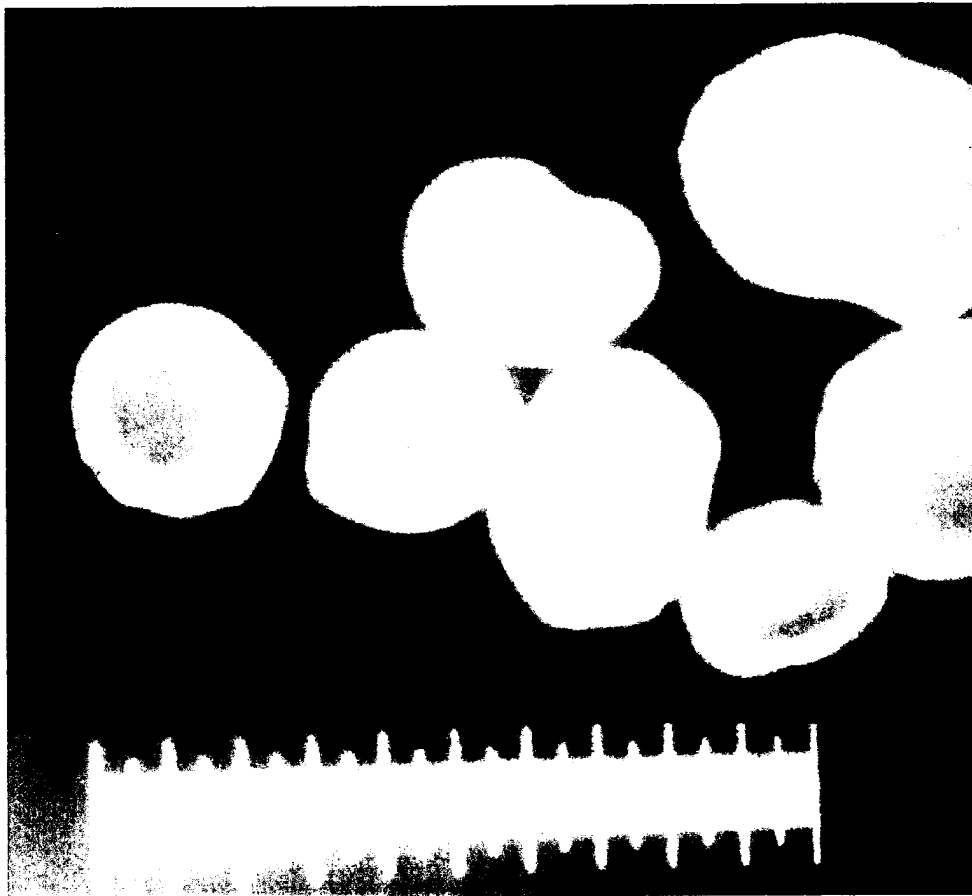
Scale:

Each small division= 10 micron

Each large division=100 micron

## FIG. 9

Formulation 3 - Sustained-Release Coated  
(Emcompress+ PE Coat+ API/Opadry II  
Coat + Surelease/Opadry II Coat)  
Batch Number 02/147-043



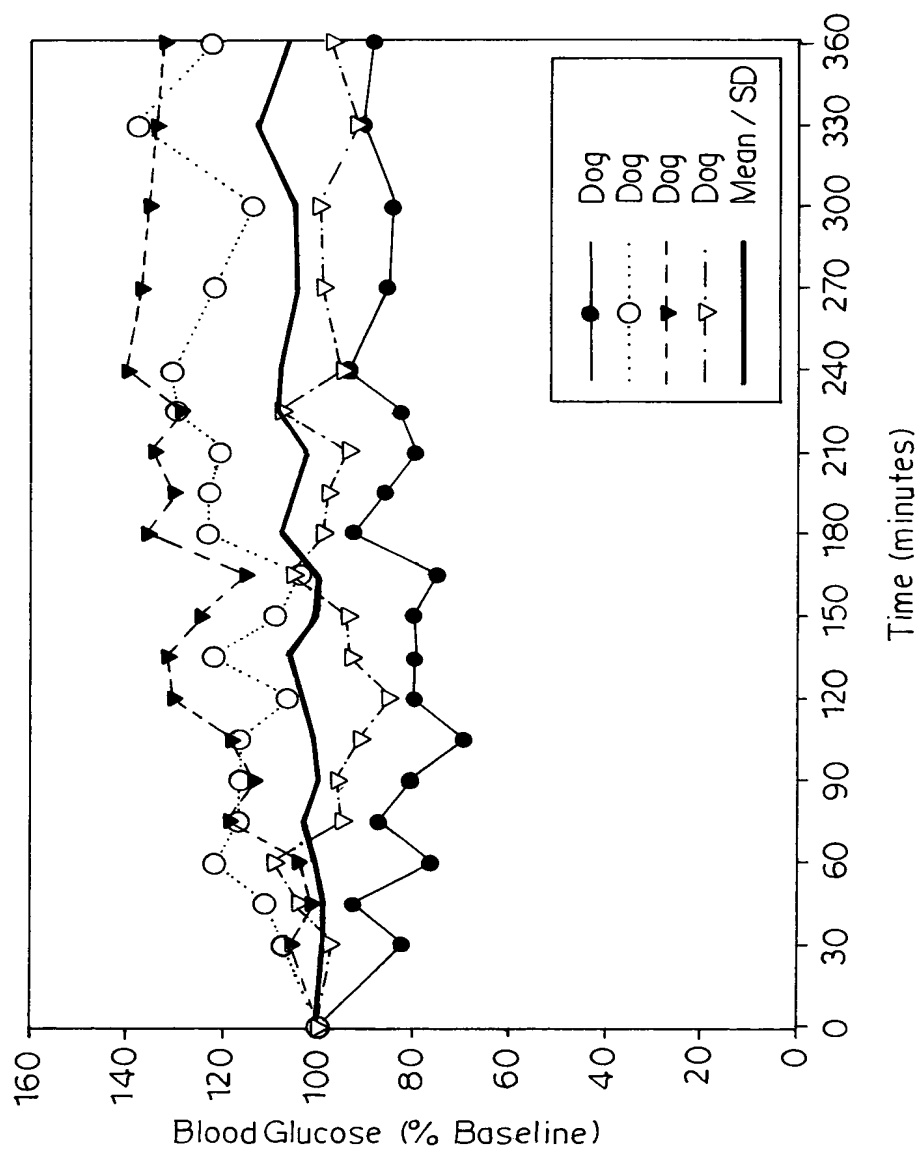
150 Magnification

Scale:

Each small division= 10 micron

Each large division= 100 micron

Glucose-lowering Effect of a Sustained-Release Encapsulated Bead Formation  
Dosed at ~0.50 mg/kg (p.o.) to Fasted Beagles



**FIG. 10**

Glucose-lowering Effect of a Sustained-Release Encapsulated Bead Formulation  
Dosed at ~0.50 mg/kg (p.o.) to Fasted Beagles

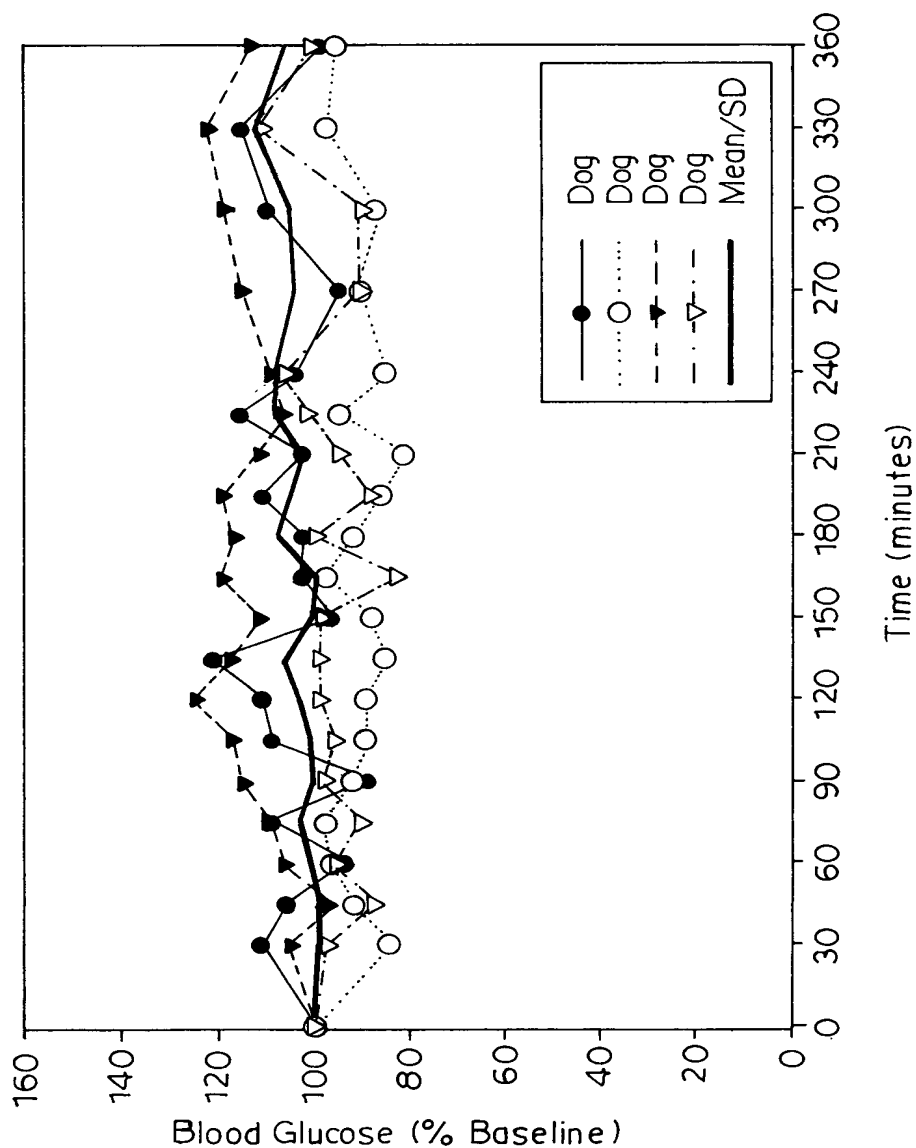
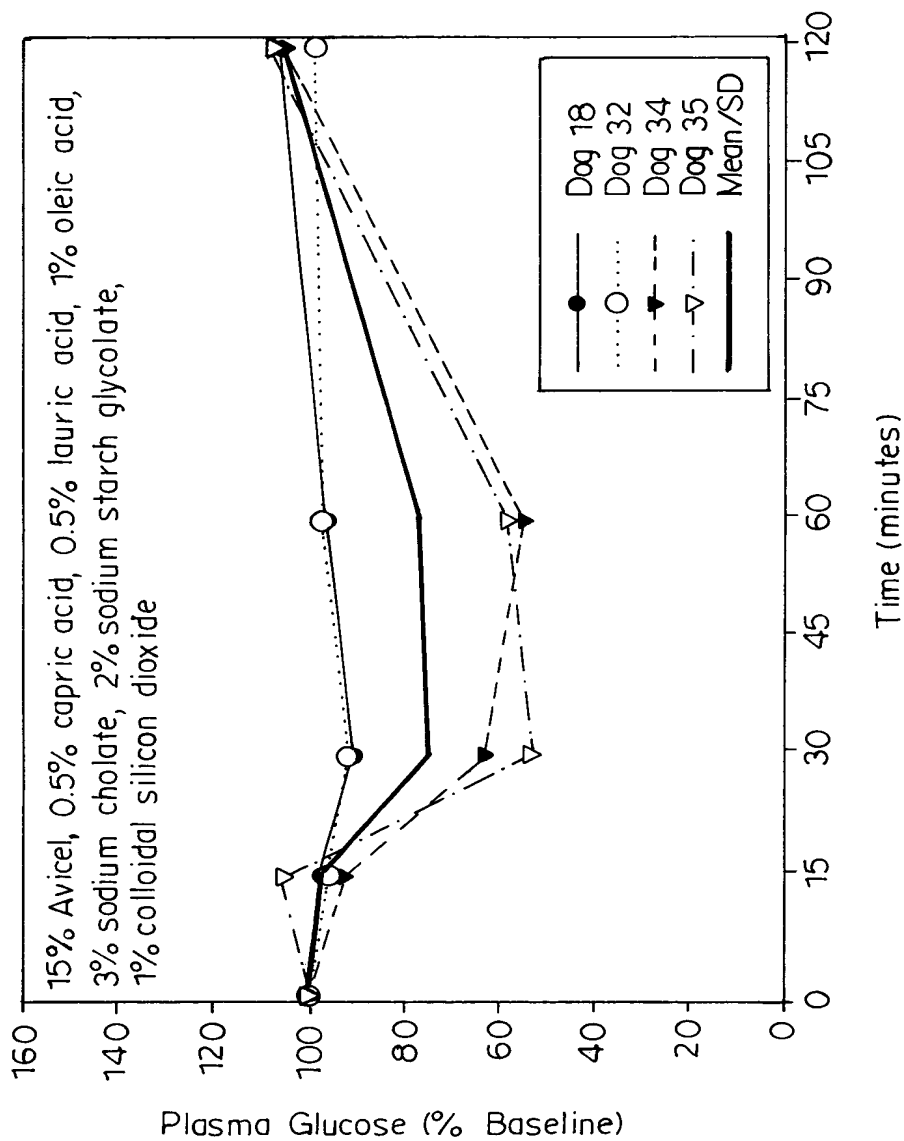


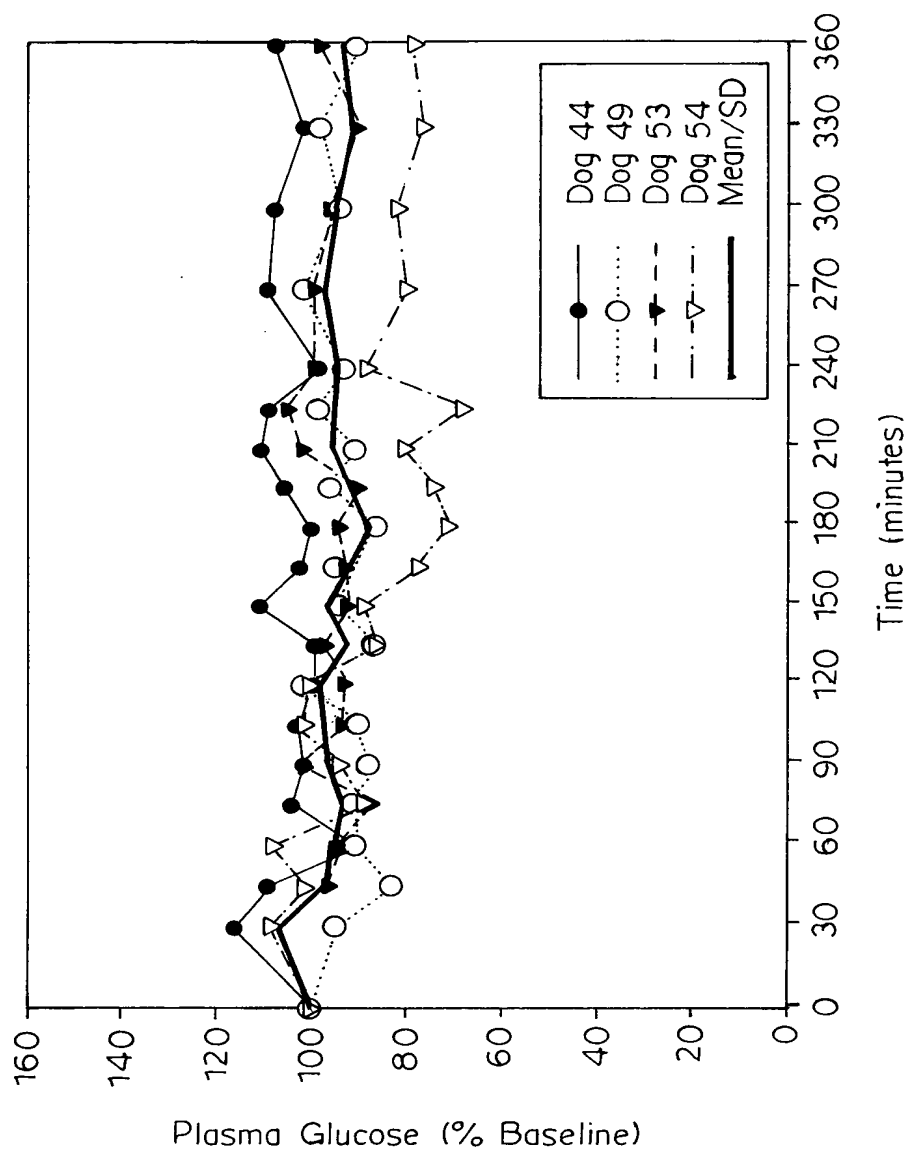
FIG. 11

Glucose-lowering Effect Non-Coated Tablet  
Dosed at 0.50 mg/kg (p.o.) to Fasted Beagles



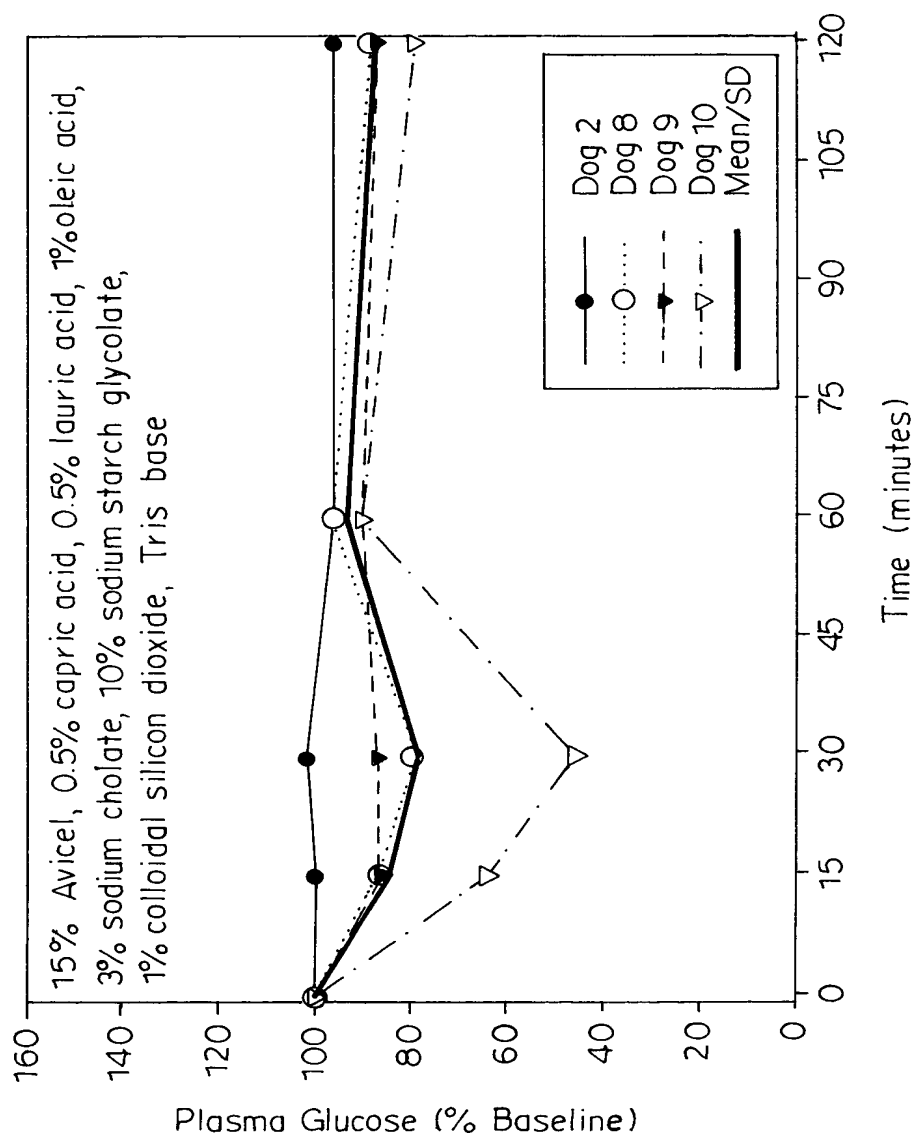
**FIG. 12**

Glucose-lowering Effect Enteric-Coated Tablet Formulation  
Dosed at ~0.50 mg/kg (p.o.) to Fasted Beagles



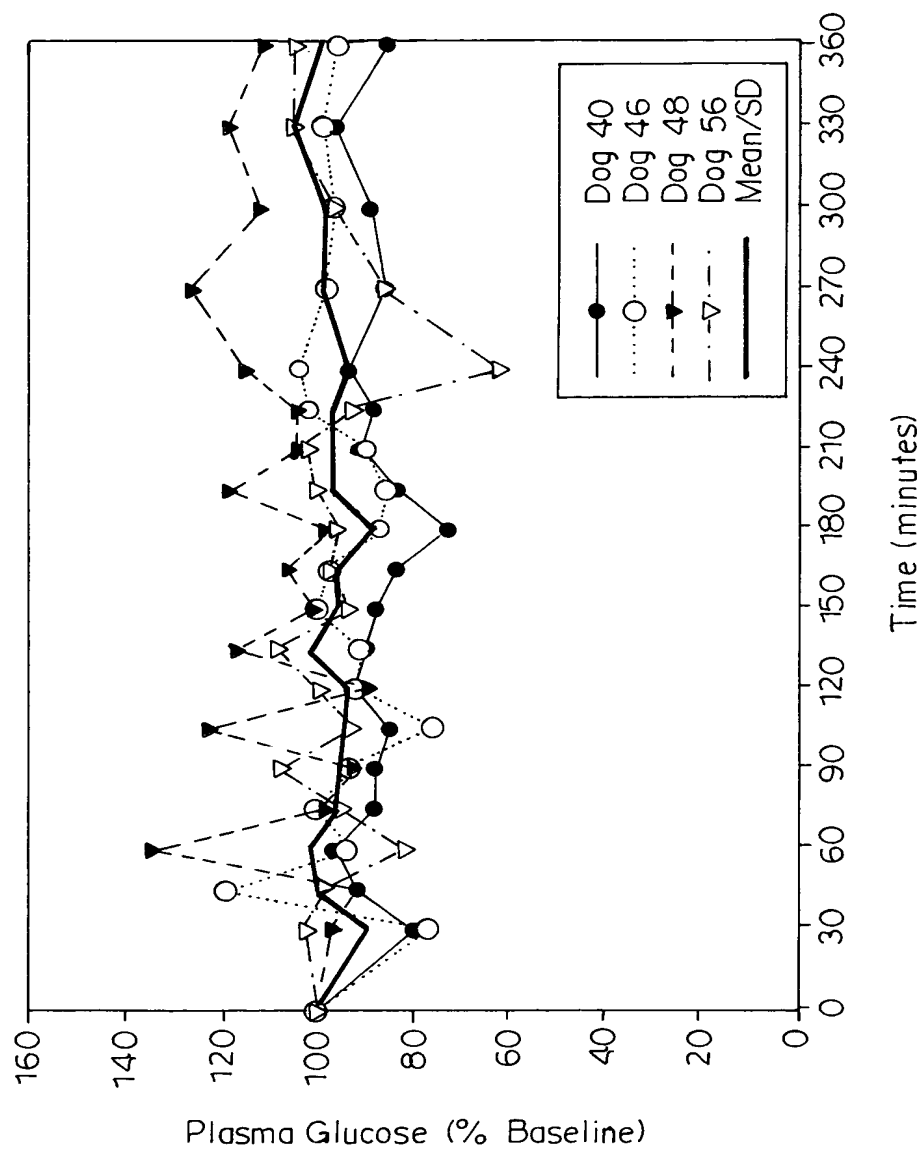
**FIG. 13**

Glucose-lowering Effect Non-Coated Tablet  
Dosed at 0.50 mg/kg (p.o.) to Fasted Beagles



**FIG. 14**

Glucose-lowering Effect Enteric-Coated Tablet Formulation  
Dosed at ~0.50 mg/kg (p.o.) to Fasting Beagles



Time (minutes)  
**FIG. 15**



Glucose-lowering Effect Non-Coated Tablet  
Dosed at 0.50 mg/kg (p.o.) to Fasted Beagles

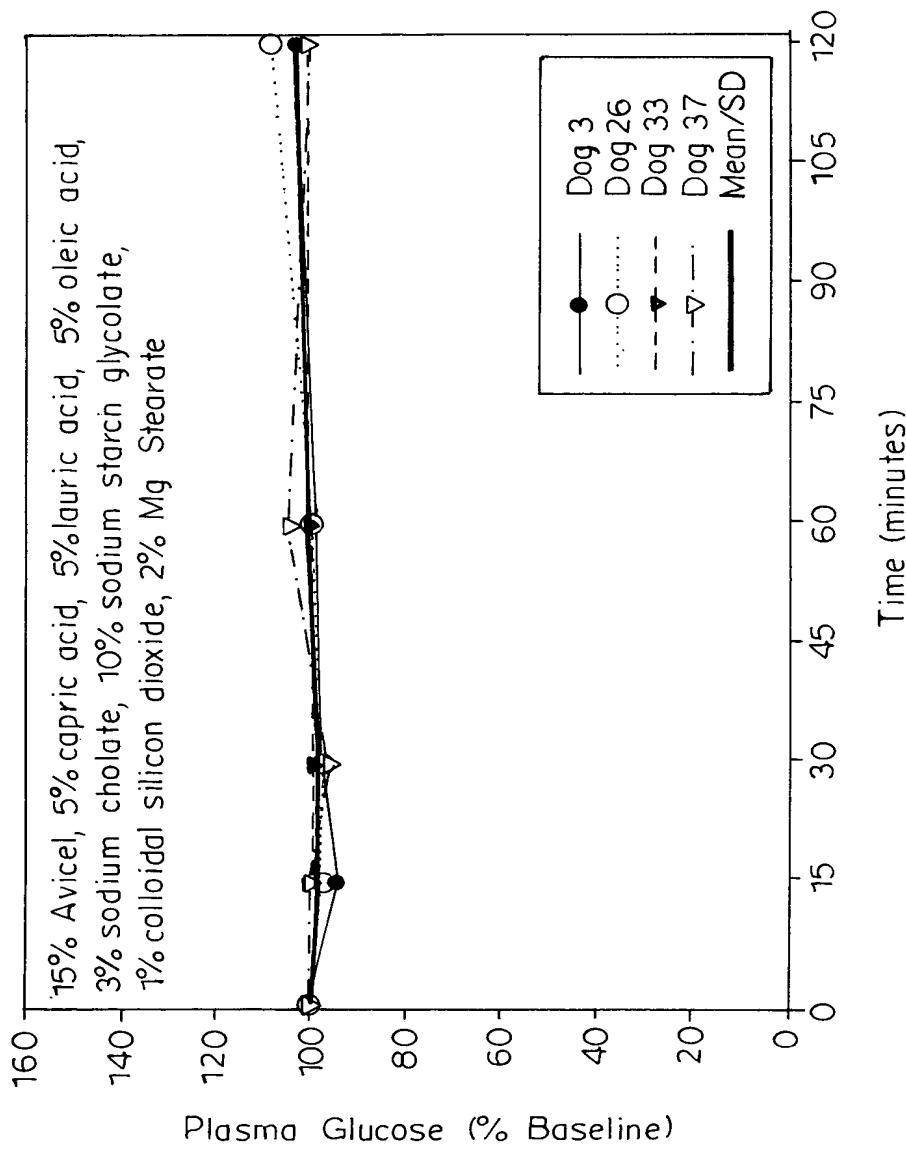
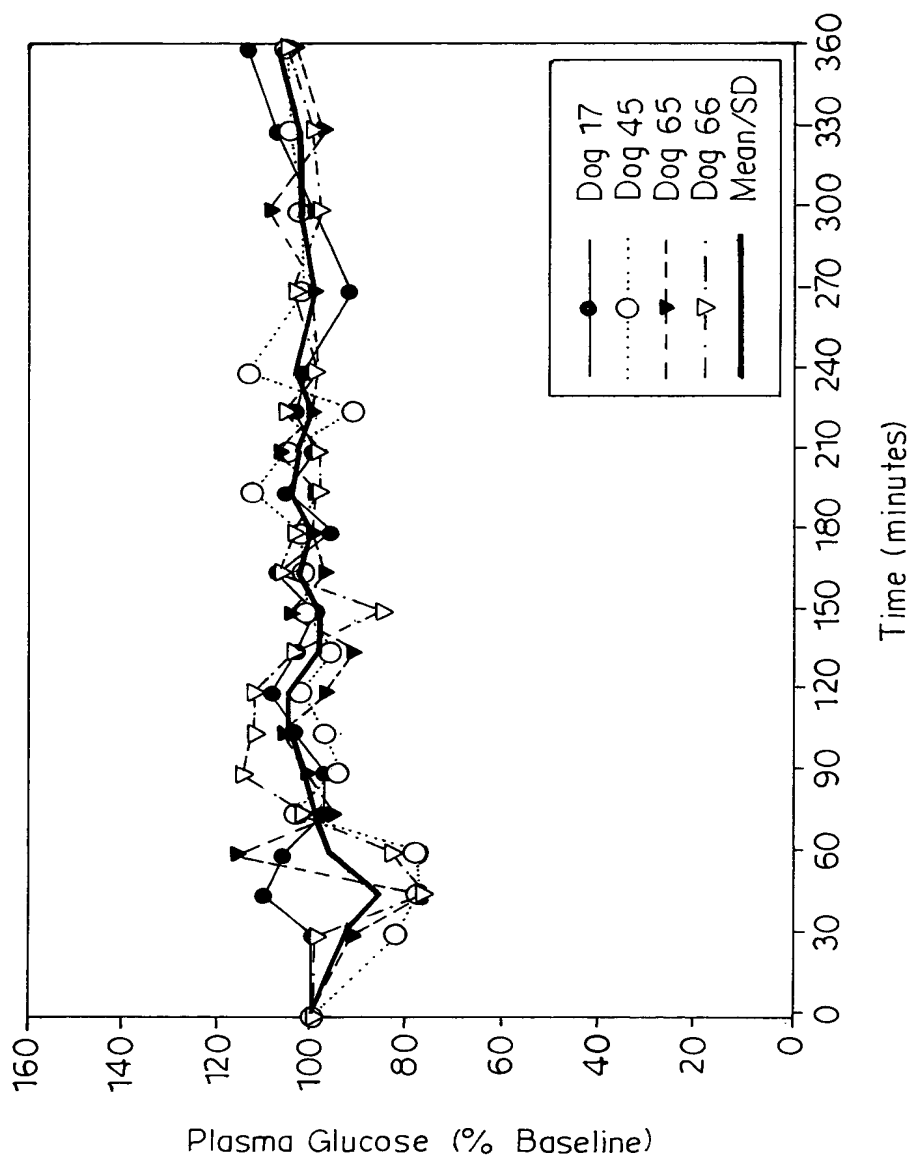


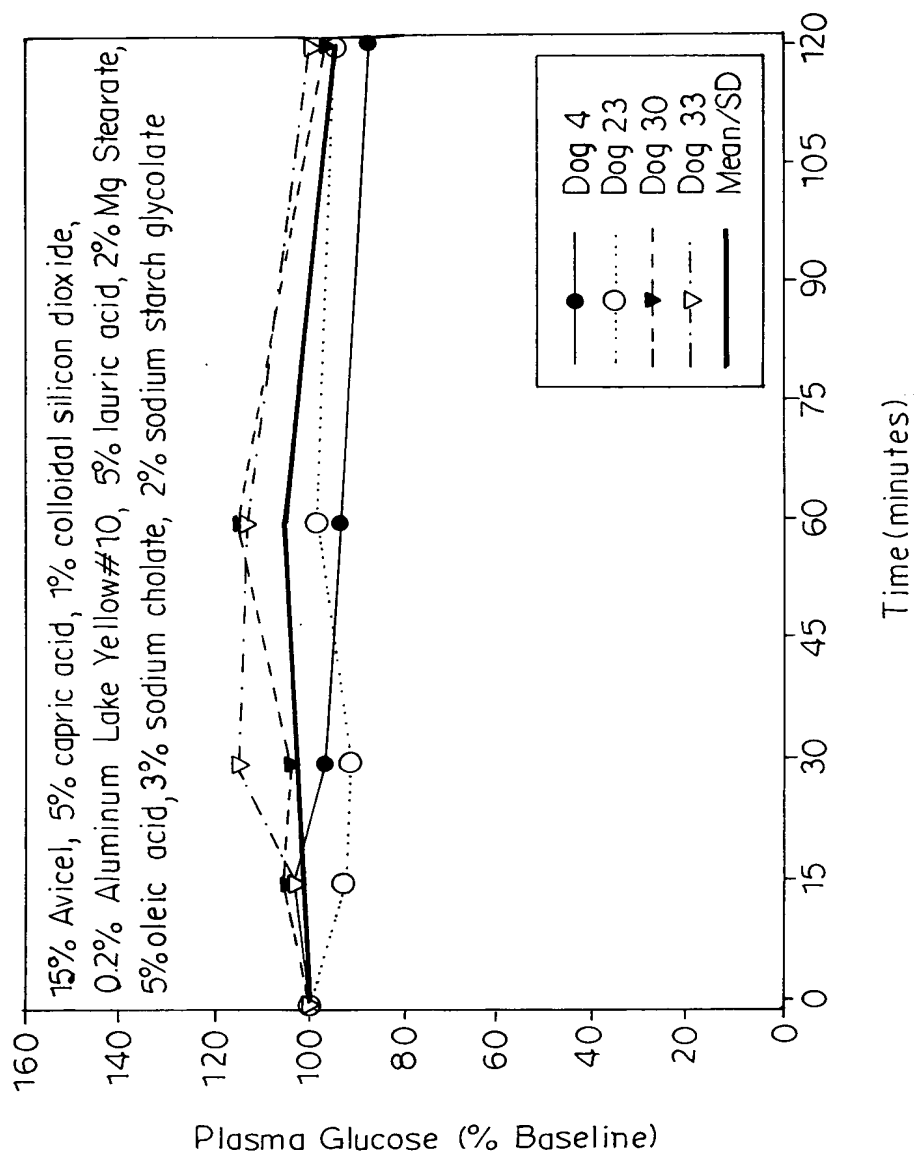
FIG. 16

Glucose-lowering Effect Enteric-Coated Tablet Formulation  
Dosed at ~0.50 mg/kg (p.o.) to Fasted Beagles



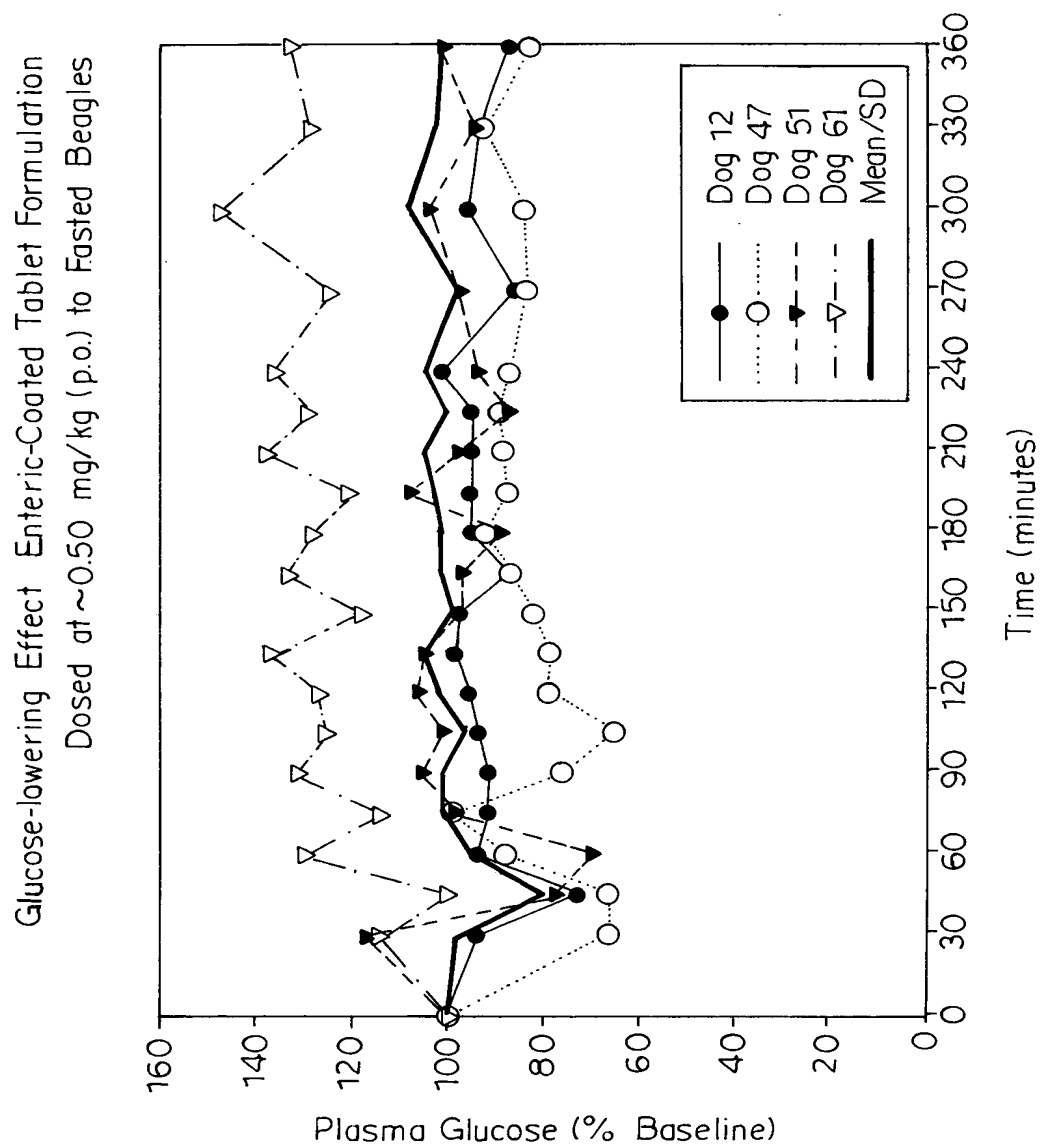
Time (minutes)  
**FIG. 17**

Glucose-lowering Effect Non-Coated Tablet Formulation  
Dosed at ~0.50 mg/kg (p.o.) to Fasted Beagles



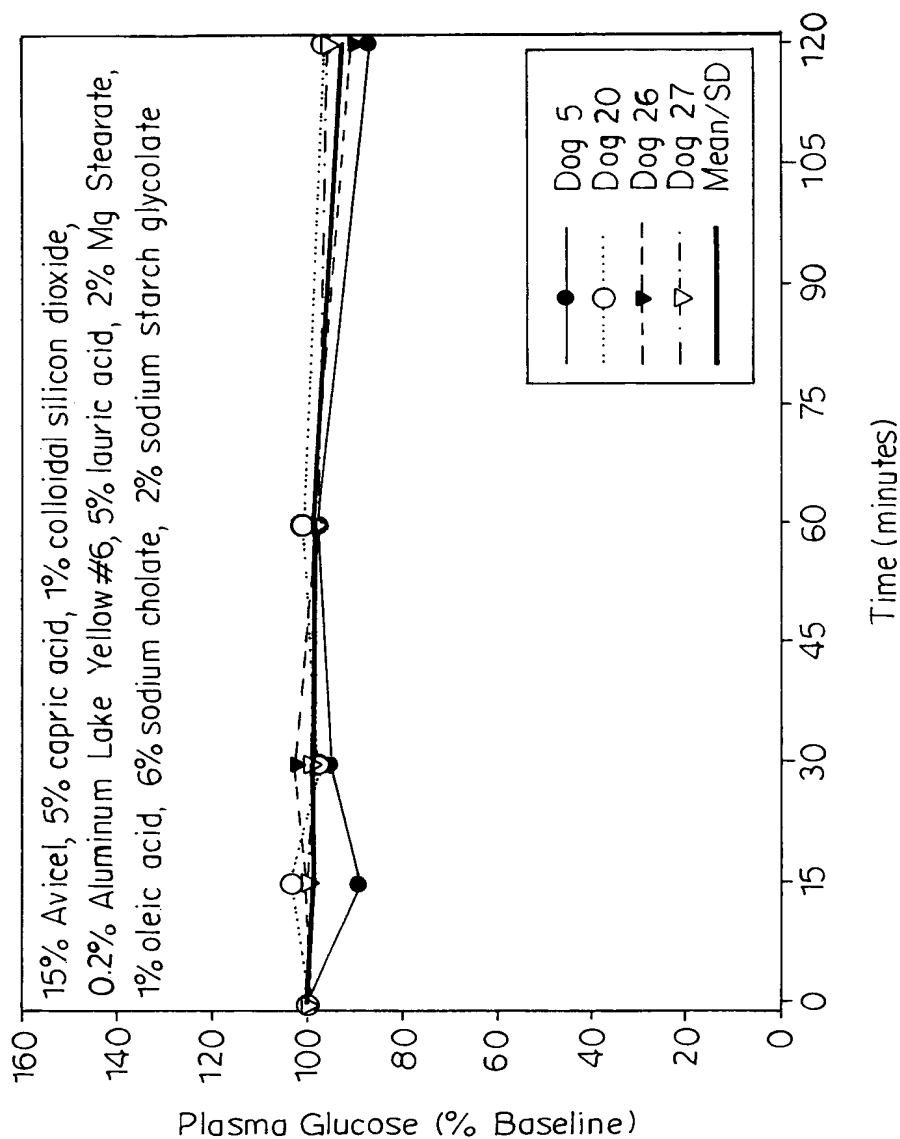
Time (minutes)

**FIG. 18**



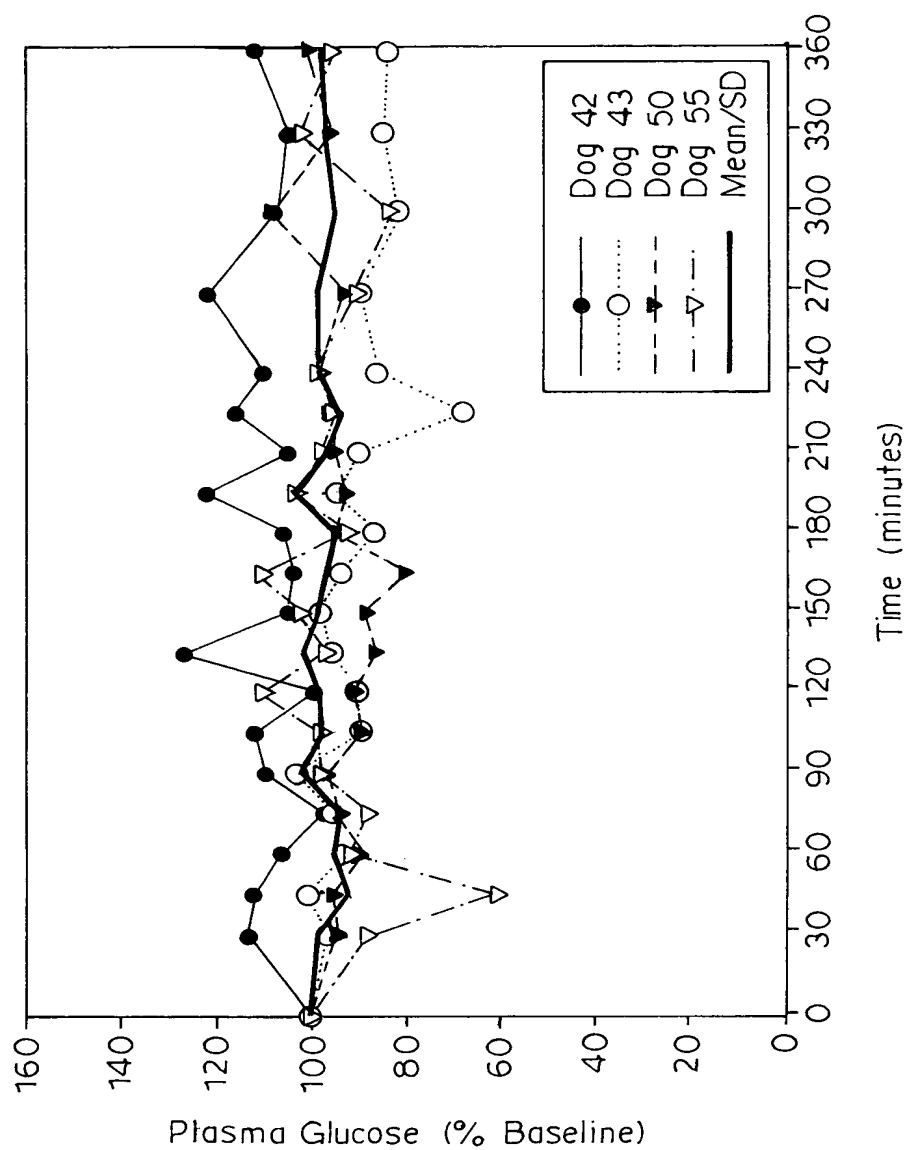
**FIG. 19**

Glucose-lowering Effect Non-Coated Tablet Formulation  
Dosed at ~0.50 mg/kg (p.o.) to Fasted Beagles



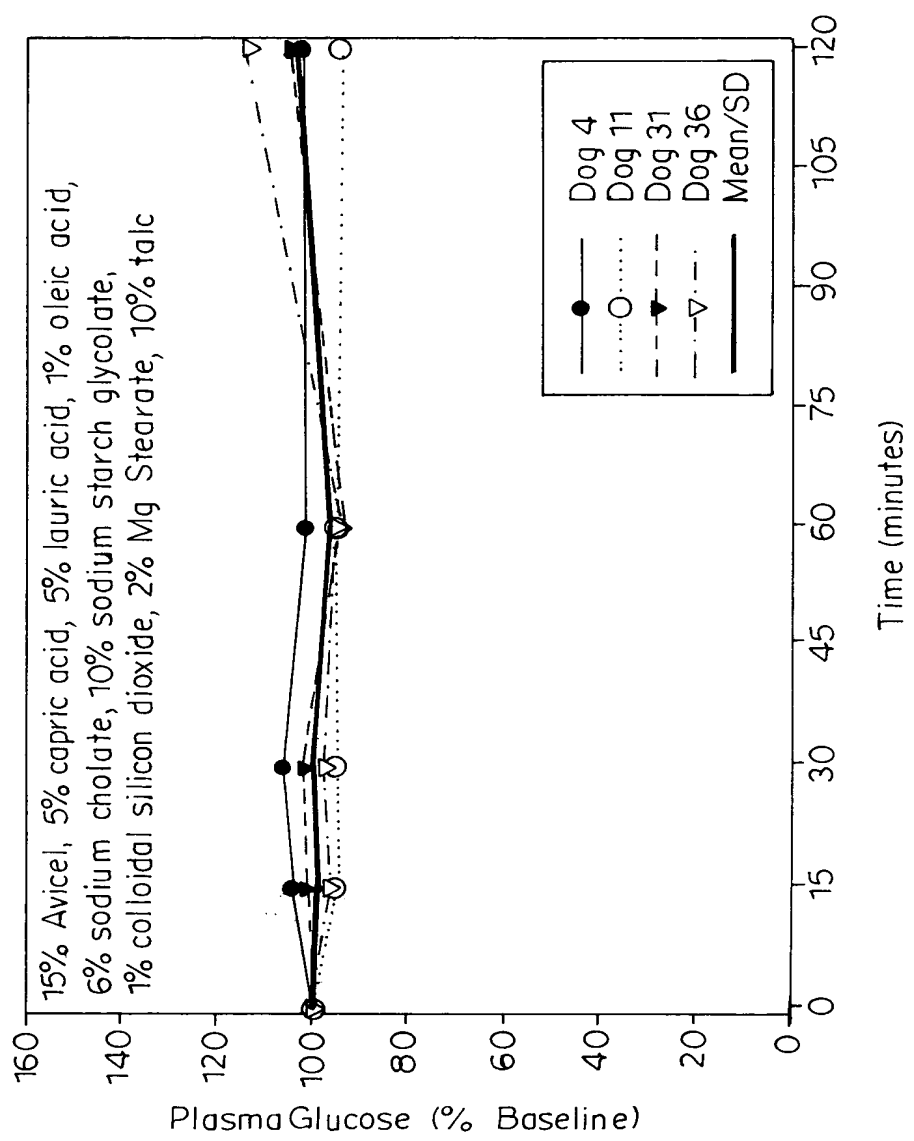
**FIG. 20**

Glucose-lowering Effect Enteric-Coated Tablet Formulation  
Dosed at ~0.50 mg/kg (p.o.) to Fasted Beagles



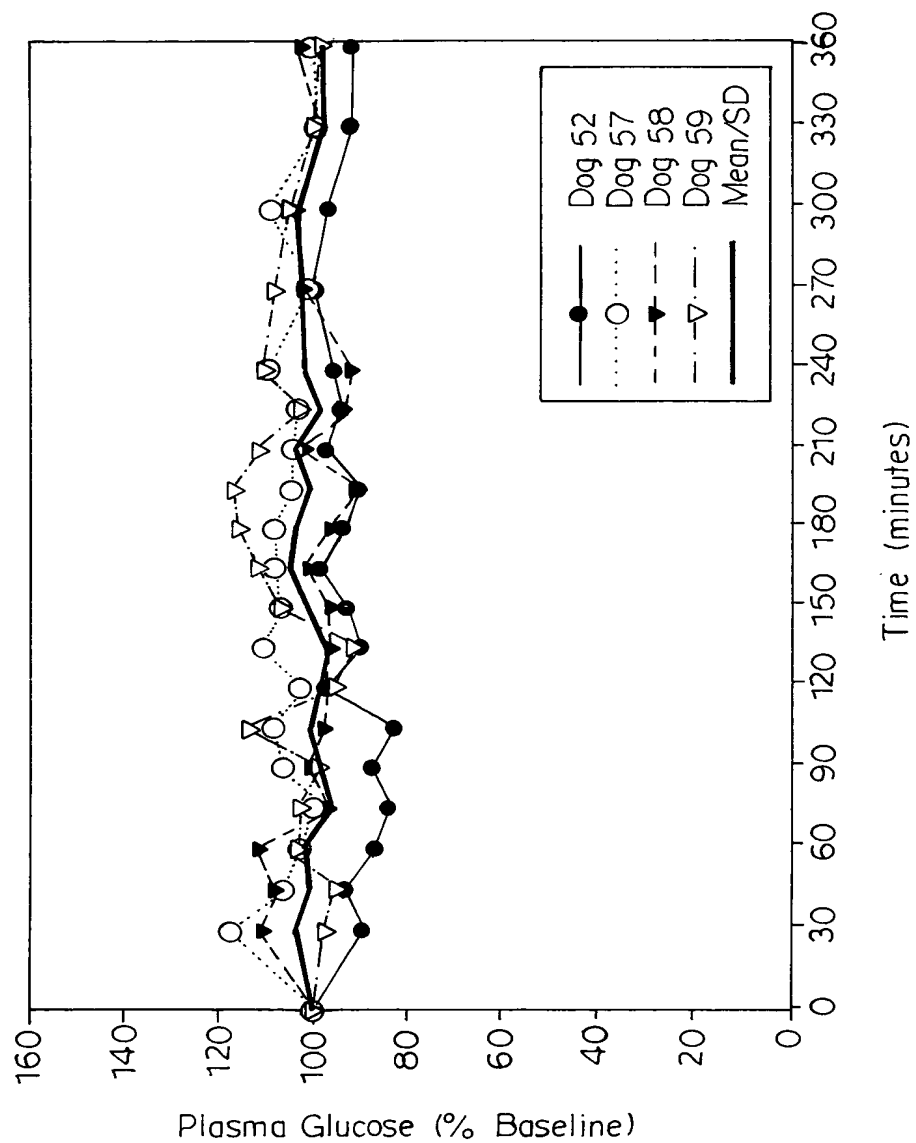
**FIG. 21**

Glucose-lowering Effect Non-Coated Tablet  
Dosed at 0.50 mg/kg (p.o.) to Fasted Beagles



**FIG. 22**

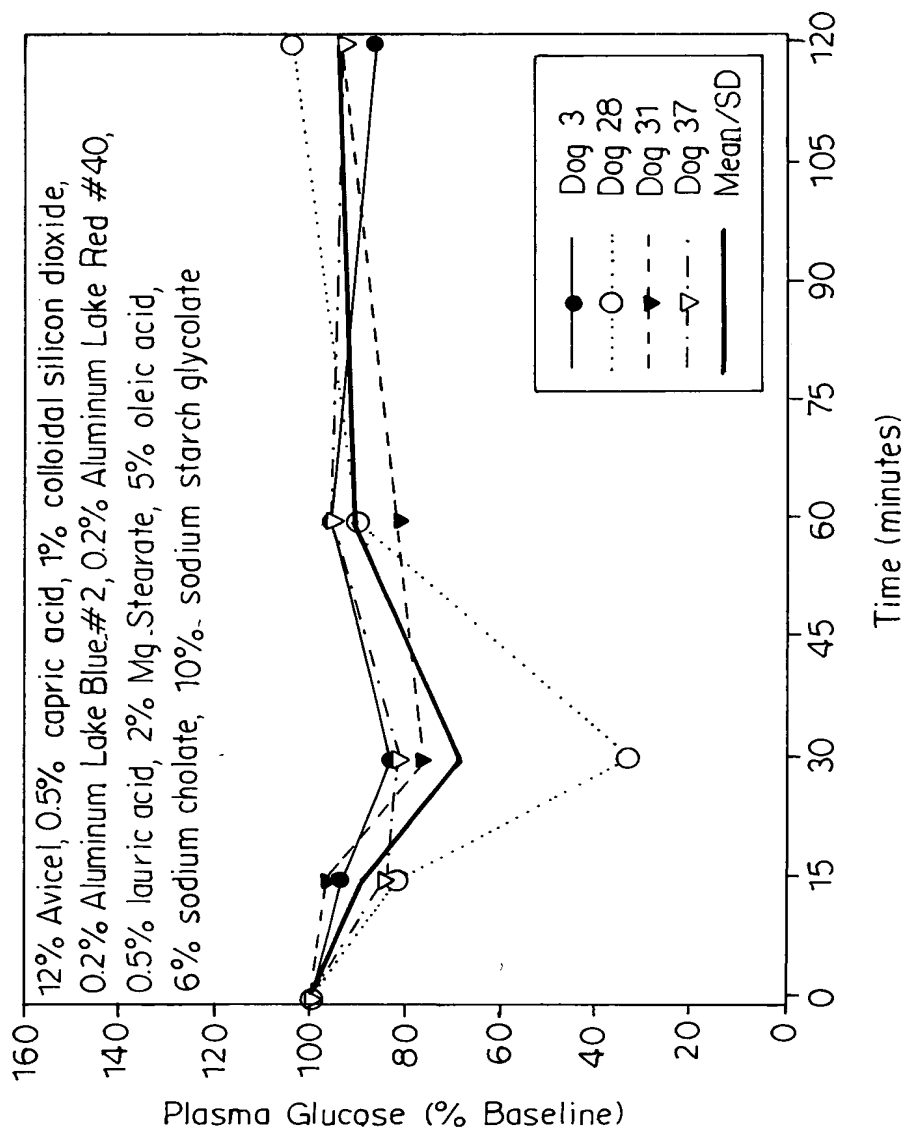
Glucose-lowering Effect Enteric-Coated Tablet Formulation  
Dosed at ~0.50 mg/kg (p.o.) to Fasted Beagles



**FIG. 23**

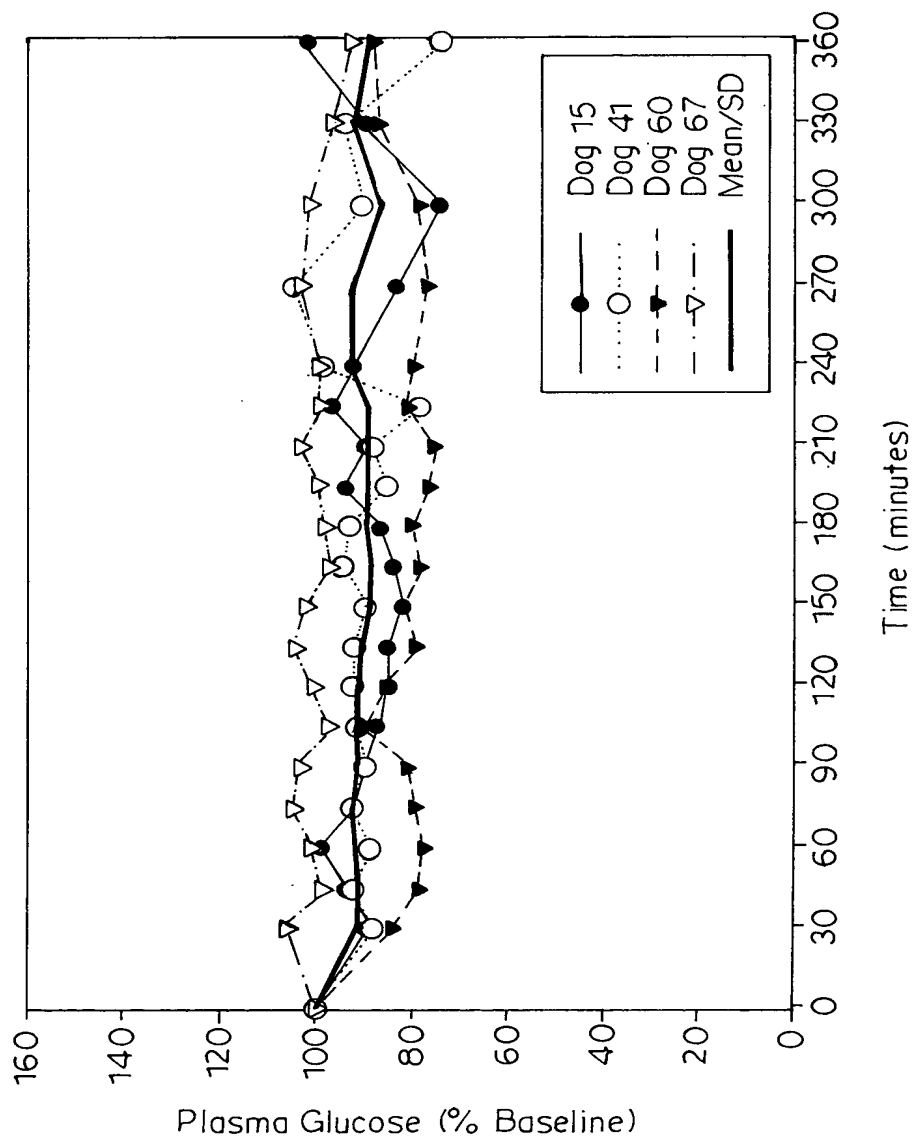


Glucose-lowering Effect Non-Coated Tablet Formulation  
Dosed at ~0.50 mg/kg (p.o.) to Fasted Beagles



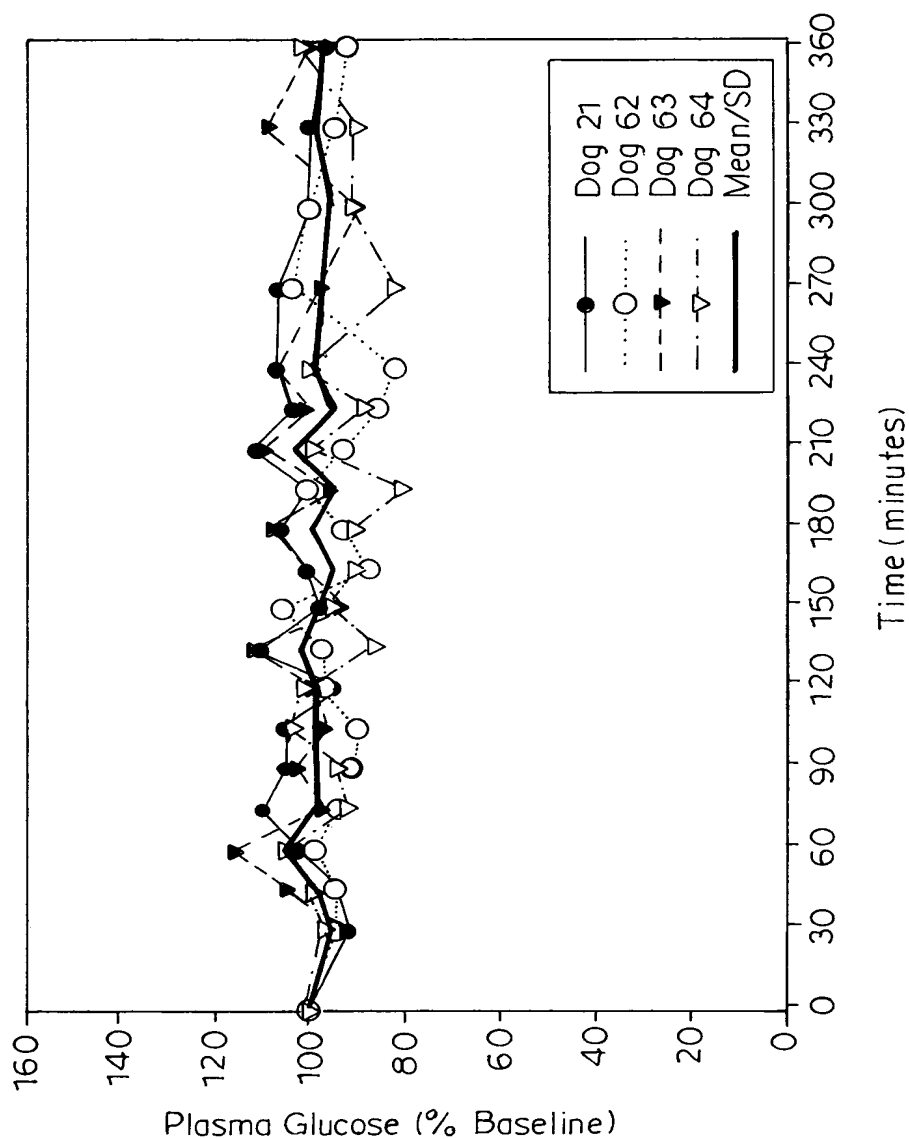
**FIG. 24**

Glucose-lowering Effect Enteric-Coated Tablet Formulation  
Dosed at ~0.50 mg/kg (p.o.) to Fasted Beagles



**FIG. 25**

Glucose-lowering Effect Enteric-Coated Tablet Formulation  
Dosed at ~0.50 mg/kg (p.o.) to Fasted Beagles



**FIG. 26**